	INTERNATIONAL SEARCH REPORT		International application	cation No.
			PCT/JP2	2004/010297
	CATION OF SUBJECT MATTER 7 F28D15/02, F25D11/00			
According to In	ternational Patent Classification (IPC) or to both national	l classification and IP	c	
B. FIELDS SE	ARCHED ·			
Minimum docu Int.Cl	mentation searched (classification system followed by classification followed by classification followed by classification system followed by classification system followed by classification followed by classification for followed by classification system followed by classification system followed by classification for followed by classification system followed by classificatio	assification symbols)		
Jitsuyo		nt that such document tsuyo Shinan To roku Jitsuyo S	oroku Koho	fields searched 1996-2004 1994-2004
	base consulted during the international search (name of d	data base and, where p	racticable, search te	rms used)
	VTS CONSIDERED TO BE RELEVANT		<del></del>	
Category*	Citation of document, with indication, where ap			Relevant to claim No.
X Y	JP 62-66097 A (Fujikura Dens Kaisha), 25 March, 1987 (25.03.87), Page 5, upper right column, l left column, line 9; Fig. 5 (Family: none)			1,2 3,7,8,12,13
Y	WO 02/16836 A1 (SHARP KABUSHIKI KAISYA), 28 February, 2002 (28.02.02), Page 11, line 15 to page 13, line 26; Fig. 5 & EP 1312875 A1 & JP 14-71237 A & JP 14-221384 A		3-24	
Y	05 July, 1994 (05.07.94),	ar. Nos. [0057] to [0058]; Figs. 4 to 5		4-24
Further d	ocuments are listed in the continuation of Box C.	See patent fam	ily annex.	
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art  "&" document member of the same patent family		
Date of the actual completion of the international search 18 October, 2004 (18.10.04)		Date of mailing of the international search report 02 November, 2004 (02.11.04)		
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## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/010297

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y .	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 186429/1985(Laid-open No. 93574/1987) (Fujikura Densen Kabushiki Kaisha), 15 June, 1987 (15.06.87), Page 3, line 15 to page 4, line 8; Figs. 1 to 2 (Family: none)	6-15,20-24
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 142409/1987(Laid-open No. 48560/1989) (Mitsubishi Electric Corp.), 24 March, 1989 (24.03.89), Page 4, line 2 to page 5, line 1; Fig. 1 (Family: none)	16,17
Y	JP 4-369391 A (Kobe Steel, Ltd.), 22 December, 1992 (22.12.92), Par. Nos. [0012], [0017]; Fig. 7 (Family: none)	20-24
Y .	JP 2002-267377 A (Tsuinbado Kogyo Kabushiki Kaisha), 18 September, 2002 (18.09.02), Par. Nos. [0015] to [0017]; Fig. 2 (Family: none)	23,24
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